

<p align="center">SEMIDE Système Euro-Méditerranéen d'Information sur les savoir faire dans le Domaine de l'Eau</p>		<p align="center">EMWIS Euro-Mediterranean Information System on the know-how in the Water sector</p>
--	---	--

DATE:	2001-04-02 / 06
LOCATION:	EMWIS TU, Sophia Antipolis FRANCE
SUBJECT	TRAINING ON ORACLE FOR IMPLEMENTING AN EMWIS SERVER AGENDA
WORKING LANGUAGE	English
PARTICIPANTS (INVITED) :	<ul style="list-style-type: none"> • IT experts of English speaking National Focal Points –NFP- (10 persons invited) • Representatives of the EMWIS Technical Unit

SEMIDE
Système Euro-Méditerranéen
d'Information sur les savoir faire
dans le Domaine de l'Eau



EMWIS
Euro-Mediterranean Information
System on the know-how in the
Water sector

Introduction

Following NFP's request formulated at the Rome seminar in May 2000, the Technical Unit is organizing a training seminar related to the ICT tools recommended to set up the EMWIS servers. It is strongly recommended to the NFP to install Oracle (version 8.1.6) before the training session in order to take full advantage of it.

Objectives

The objective is to allow each EMWIS NFP to administer an ORACLE database integrated in the EMWIS technical architecture. Each internship will receive tutorial documents and will have a computer under MS-Windows NT for the practical exercises.

Content of the training

1. ORACLE SQL training (2 days) :

- Relational technology and structure of an Oracle data base
- Sql+ commands
- Data types
- Accounts management (creation), access control
- DDL commands (Tables, index, views, sequences, constraints)
- Space management
- Sql statements (rules, SELECT, JOINS, sub queries, functions, GROUP BY)
- Distributed and updating orders
- Transaction

2. Presentation of the technical architecture selected for an EMWIS server (0.5 day)

- 3 tiers architecture (presentation, application, data)
- Web server : MS-IIS4 (Internet Information Server)
- Data base server : Oracle 8i
- Application server : Java Server Page (JSP)

3. Oracle 8i administration (2.5 days)

- Structure of Oracle 8
- Oracle 8 on NT : environment and tools
- DBA Studio
- Instance management
- Creating an ORACLE database
- Managing tablespaces
- Managing rollback segments, control files and Redo Logs
- Managing users and security
- Managing storage space and database objects
- Import/Export tools
- Introducing database backups and recovery